



## MMHCC Newsletter January 2006

### MouseLine

#### **caMOD 2.0 released**

The NCI Center for Bioinformatics (NCICB) and NCI's Mouse Models of Human Cancers Consortium (MMHCC) are proud to announce a new release of the Cancer Models Database (caMOD). The application is available at <http://cancermodels.nci.nih.gov>



The redesigned version of caMOD is caBIG silver-level compliant according to the caBIG compatibility guidelines for creating and adopting software systems. caBIG (cancer Biomedical Informatics Grid™) is a voluntary network of individuals and institutions that work together to create a better environment for sharing of cancer research data and software tools. caBIG compatible applications follow a set of requirements that significantly reduces the barriers for use of a resource by a remote party. These requirements include the use of vocabularies and ontologies, the submission of common data elements to a central repository, and the thorough documentation of the application. More information about caBIG may be accessed at <http://cabig.nci.nih.gov/>

The Cancer Models Database provides the following key capabilities to its users:

- **Data Submission**--Data in caMOD are extracted from scientific literature by curators and verified by the scientists who generated or worked with the models, or they are directly submitted by scientists themselves.
- **Cancer Model Search**--Users can retrieve information about the making of models, their genetic descriptions, histopathology, derived cell lines, associated images, carcinogenic interventions, microarray data, and therapeutic trials in which the models were used. caMOD provides links to PubMed for associated publications and other resources such as mouse repositories, detailed information about altered genes, pathways affected, and information about human clinical trials that utilize the same compounds as the pre-clinical trials in animal models.
- **System Function Administration**--The Admin function provides services for user registration, review of submitted models and database management.

The new features allow closer connections to the resources made available by other institutions such as the Jackson Laboratory and the Developmental Therapeutics Program at NCI.

Please feel free to contact the caMOD Team ([ncicb@pop.nci.nih.gov](mailto:ncicb@pop.nci.nih.gov)) to share your opinion about the new version of caMOD as well as suggestions for features that would make this application more valuable to your day-to-day work in the laboratory.

#### Acknowledgements:

The caMOD team would like to thank all who were involved with making this release possible, in particular, the members of the MMHCC Bioinformatics Support Team who provided valuable feedback: Dr. Carlos Caulin, Dr. Gerald Chen Chu, Dr. Scott Kogan, Dr. Anthony Letai, Dr. Lin Ji, Dr. Xuesong Ouyang, Dr. Katrina Podsypanina, Dr. Karl Simin, Dr. Brent Sutherland, and Dr. Minh To.

For information about caMOD user accounts see the Bioinformatics section of this newsletter.





## Meetings

**February 9 - 10, 2006**

**GTCbio's 3rd Annual Cancer Drugs Research and Development Conference**

San Francisco, California

Meeting Information: <http://gtcbio.com/program.asp?cid=3>

Abstract deadline: January 9, 2006

**March 1 - 5, 2006**

**AACR Special Conference - Cancer Susceptibility and Cancer Susceptibility Syndromes**

Maui, Hawaii

Co-chairs: Pier Paolo Pandolfi and Alan D'Andrea

Meeting information: <http://www.aacr.org/page5188.aspx>

**April 1 - 5, 2006**

**AACR Annual Meeting**

Washington, D.C.

Meeting information: <http://www.aacr.org/default.aspx?p=5186>

Deadline for early bird registration: January 4, 2006

## Notices and Funding Opportunities

### **Availability of Phenotypic Data on NIH Licensed Deltagen and Lexicon Genetics Knockout Mice**

The National Institutes of Health has contracted with Deltagen Inc. of San Carlos, Calif., and Lexicon Genetics, Inc. of The Woodlands, Texas, to provide NIH and its scientific partners with access to about 251 lines of knockout mice that have been extensively characterized. Notice about the availability of these animals was issued November 15, 2005: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-012.html>. At that time, the NIH had not yet received the data detailing the impact of the specific gene deletion on the mouse's phenotype, which includes appearance, health, fitness, behavior, ability to reproduce, and radiological and microscopic data. These data are now available and can be found at: <http://www.nih.gov/science/models/mouse/deltagenlexicon/list.html> and <http://www.informatics.jax.org/external/ko>.

For more information on what knockout mice are, how they are made, what they are used for, and information on how to obtain knockout mice and phenotypic data go to:

<http://www.nih.gov/science/models/mouse/deltagenlexicon/index.html>.

For questions or further information, contact: Christopher P. Austin, M.D. ([austinc@mail.nih.gov](mailto:austinc@mail.nih.gov))

<http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-06-020.html>





## Notices and Funding Opportunities cont.

### **Development of Recombinase-Expressing ("Driver") Mouse Lines for Studying the Nervous System (U01)**

RFA-MH-06-007

Multiple NIH Institutes

Application Receipt Date(s): January 19, 2006

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-MH-06-007.html>

### **Novel Technologies for In Vivo Imaging**

PA-06-045 and PA-06-046

NCI, NIDDK, NIEHS, NINDS

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-045.html>

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-046.html>

### **Collaborative Research for Molecular and Genomic Studies of Basic Behavior in Animal Models**

PA-06-038

National Institute of General Medical Sciences

National Institute of Child Health and Human Development

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-038.html>

### **NIH Support for Conferences and Scientific Meetings (R13/U13)**

PA-06-041

Multiple NIH Institutes

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-041.html>

### **Notice of Availability of Administrative Supplements for Activities to Promote Research Collaborations for Projects Currently Funded by the NCI Division of Cancer Biology**

NOT-CA-06-003

National Cancer Institute

<http://grants1.nih.gov/grants/guide/notice-files/NOT-CA-06-003.html>

### **Request for Information (RFI): Standards for the Care and Use of Laboratory Animals**

NOT-OD-06-011

National Institutes of Health

<http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-06-011.html>





## Bioinformatics

### **User Account Information for caMOD 2.0**

The recent release of the NCI Cancer Models Database (caMOD) utilizes a new security system. All caMOD user accounts were transferred to the new system. If you have an existing caMOD user account you will receive an email from the Application Support Team at the NCI Center for Bioinformatics with information on how to access the Cancer Models Database. If you have questions please contact the NCICB Application Support Team at <http://ncicb.nci.nih.gov/NCICB/support>

Should you wish to create a new user account go to the "Register" page in caMOD and submit your information. A user account is only required for submitting models to the database. Searching the database does not require username and password.

## Repository News

The MMHCC Mouse Repository is an NCI-supported resource for the distribution of mouse cancer models and associated strains. The Repository makes strains available to all members of the scientific community.

### **Newly accepted strains**

The following strains have recently been accepted into the MMHCC Repository and are available for distribution as frozen embryos (*please click on the specific link, below, for additional information*):

B6;129-*Nfl*<sup>tm1Par</sup>

[http://mouse.ncifcrf.gov/available\\_details.asp?ID=01XM4](http://mouse.ncifcrf.gov/available_details.asp?ID=01XM4)

**More information can be found on the Mouse Repository's website:** <http://mouse.ncifcrf.gov>

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